ResMed

ENGLISH

ResLink™

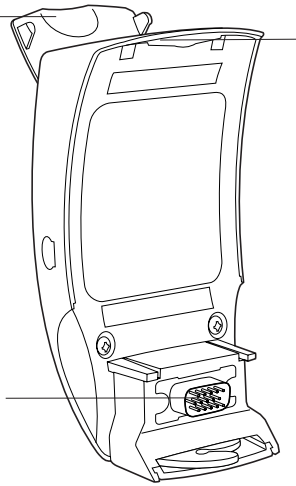
User's Manual

English

Reorder number: 308198/5 09 03

A ResLink

Front view
Vue avant / Vista frontal / Vista frontal

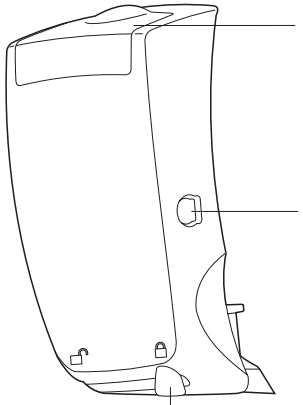


cover (open)
couvercle (ouvert) / cubierta (abierta) / tampa (aberta)

top catch
patte d'attache supérieure / traba superior / lingueta superior

15-pin connector
connecteur 15 broches / conector de 15 clavijas / conector de 15 pinos

Back view
Vue arrière / Vista posterior / Vista traseira



cover (closed)
couvercle (fermé) / cubierta (cerrada) / tampa (fechada)

oximeter port
port de connexion de l'oxymètre / puerto del oxímetro / porta do oxímetro

locking lever
verrouillage / palanca de traba / alavanca de fecho

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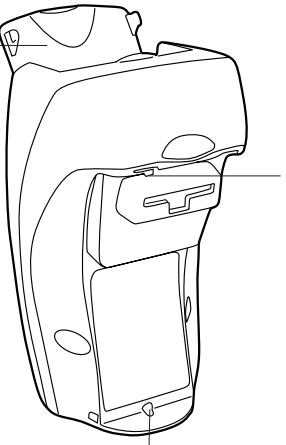
B S8 ResLink

Front view
Vue avant / Vista frontal / Vista frontal

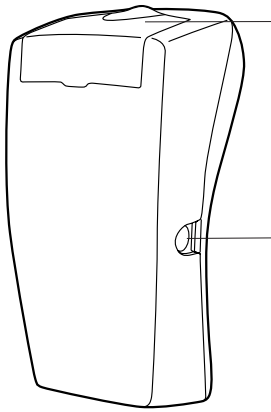


cover (open)
couvercle (ouvert) / cubierta (abierta) / tampa (aberta)

top latch
attache supérieure / cerrojo superior / trinco superior

bottom latch
attache inférieure / cerrojo inferior / trinco inferior

Back view
Vue arrière / Vista posterior / Vista traseira



cover (closed)
couvercle (fermé) / cubierta (cerrada) / tampa (fechada)

oximeter port
port de connexion de l'oxymètre / puerto del oxímetro / porta do oxímetro

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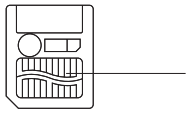
C

SmartMedia card
carte SmartMedia / tarjeta SmartMedia / cartão SmartMedia



gold contacts
contacts en or / contactos dorados / contactos de ouro

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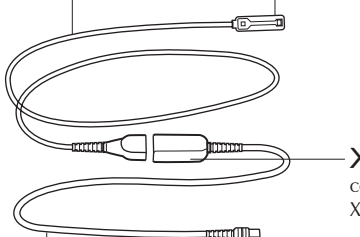
D

sensor cable (model 8000J Adult Flex Sensor)
câble du capteur (modèle 8000J Adult Flex Sensor) / cable sensor (Sensor Adult Flex Modelo 8000J) / Cabo sensor (Sensor Adulto Flexível Modelo 8000J)

oximeter sensor
capteur de l'oxymètre / sensor del oxímetro / Sensor do oxímetro



Xpod connector
connecteur Xpod / Conector Xpod / Conector Xpod

oximeter cable (model 3012 Pulse Oximeter)
câble de l'oxymètre (oxymètre de pouls modèle 3012) / cable del oxímetro (Oxímetro de pulso Modelo 3012) / cabo do oxímetro (Oxímetro de Pulso Modelo 3012)

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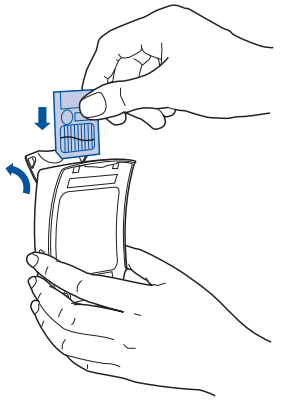
E



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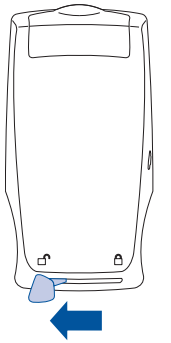

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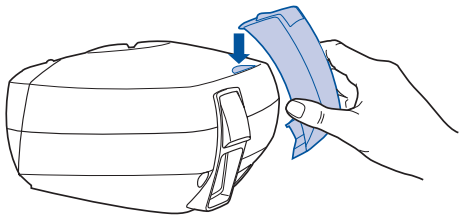

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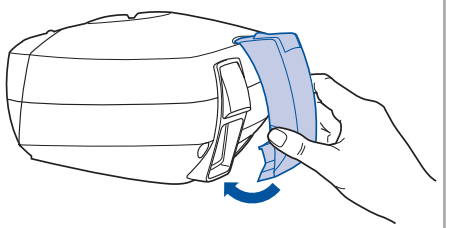

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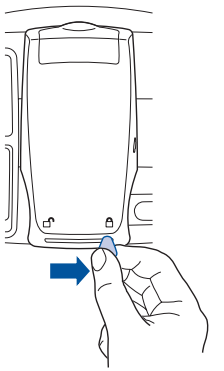

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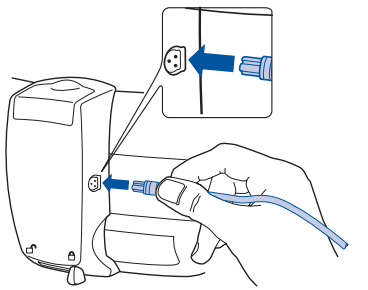

E-6

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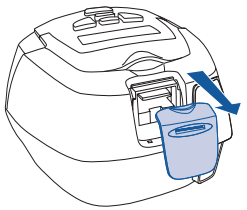
F



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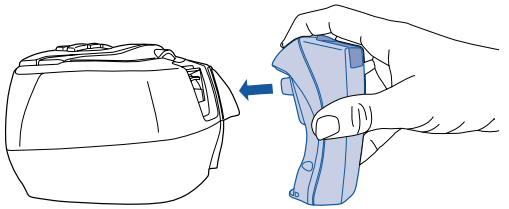

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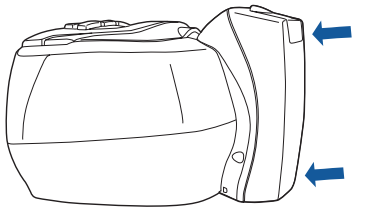

F-3

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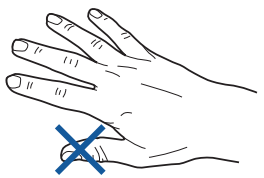
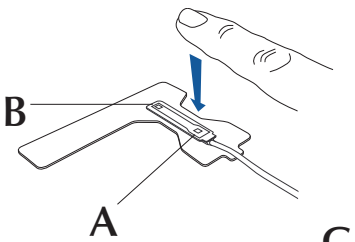
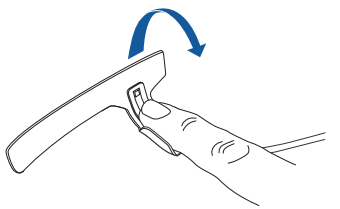
G





G-1



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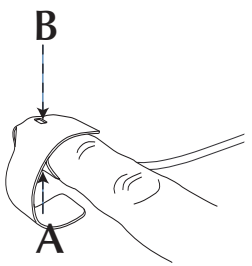

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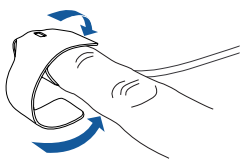

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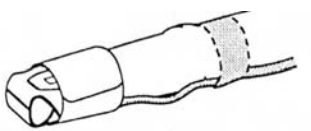

G-5

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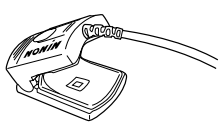
H



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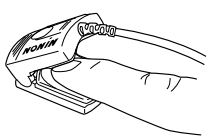

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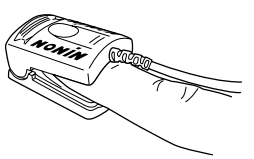

H-3

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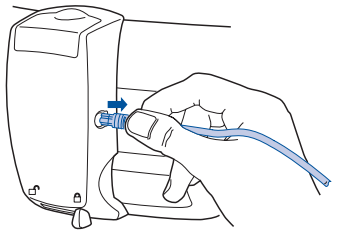
I



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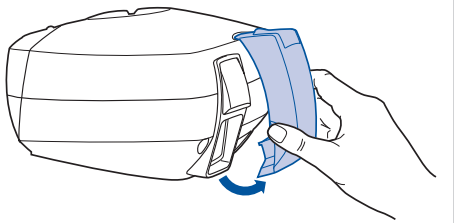

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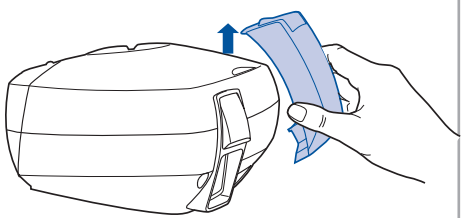

I-3

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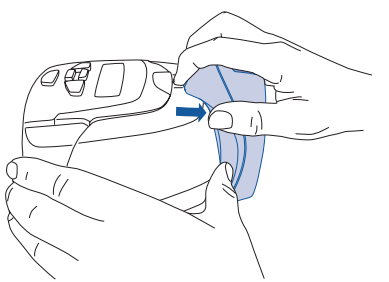
J



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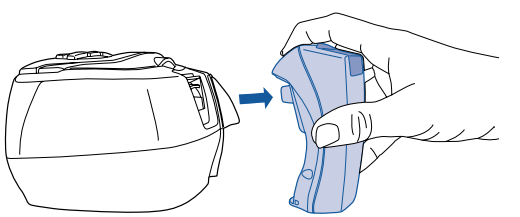

J-2

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INTRODUCTION

The RESLINK™ is a device designed for use with ResMed flow generators to help your clinician monitor your sleep and ensure that you are receiving optimal treatment.

When connected to the flow generator, the RESLINK records treatment and pulse oximetry data during therapy.

The data is stored on a SmartMedia™ card—a memory card capable of storing up to 30 sessions of detailed data. After treatment, the SmartMedia card containing the data can be removed from the RESLINK device and sent to your clinician for review.

RESLINK AND S8™ RESLINK

The RESLINK device is available in two different mechanical forms (RESLINK and S8 RESLINK) to fit different families of flow generators.

The RESLINK and the S8 RESLINK function in the same way, but they attach to and detach from the flow generator in different ways. When the word 'RESLINK' is used in a general sense, it applies to both RESLINK and S8 RESLINK. See "Compatible flow generators" on page 18 to see which device is used with each flow generator.

Note: *The S8 ResLink may not be available in all regions.*

CAUTION

In the US, Federal law restricts this device to sale by or on the order of a physician.

USER/OWNER RESPONSIBILITY

The user or owner of this system shall have sole responsibility and liability for any injury to persons or damage to property resulting from:

- operation which is not in accordance with the operating instructions supplied
- maintenance or modifications carried out unless in accordance with authorized instructions and by authorized persons.

INTENDED USE

The RESLINK is an accessory to ResMed flow generators that are used for the treatment of Obstructive Sleep Apnea (OSA) in adult patients. RESLINK is for home and hospital use.

WARNINGS AND CAUTIONS

A Warning alerts you to possible injury.

A Caution explains special measures for the safe and effective use of the device.

The following are general warnings and cautions. Specific warnings and cautions appear next to the relevant instructions in the manual.

- Use the RESLINK only for its intended use as described in this manual.
- The RESLINK is compatible for use with certain ResMed flow generators only. See "Compatible flow generators" on page 18 for details. Do not use the RESLINK with any other flow generators.

- Make sure that the flow generator is turned off before connecting or disconnecting the RESLINK.
- Do not attempt to dismantle the RESLINK. There are no user serviceable parts inside. Repairs and internal servicing should only be performed by an authorized agent.
- There is a serial (9-pin) port at the back of some flow generators. Do not connect the NONIN® Xpod connector into the serial port as it may damage the oximeter.
- SmartMedia cards should be obtained only from ResMed as custom upgrade software may be required for operation of the ResLink.
- Avoid touching the gold contacts on the SmartMedia card.
- The SmartMedia card should be kept in its plastic sleeve when not in use. This is because dirt may interfere with the RESLINK operation.
- Do not use the RESLINK in the presence of flammable or explosive materials.
- From time to time, electronic devices can be affected by irregularities in the electrical power supply. It is important to periodically check that the RESLINK is working correctly by checking the flow generator Liquid Crystal Display (LCD) for any error messages. This includes checking the pulse oximeter probe for correct operation by inspecting that the Light Emitting Diode (LED) on the finger probe is illuminated when the flow generator is turned on.

Contact your equipment supplier if you have any concerns about correct operation of the RESLINK.

THE RESLINK SYSTEM

The RESLINK system (RESLINK and SmartMedia card) is illustrated in sections A, B and C on the illustration sheet.

ACCESSORIES

See Section D on the illustration sheet (8000J Adult Flex Sensor only illustrated).

The NONIN® Model 3012 Pulse Oximeter is compatible for use with the RESLINK. It can be used with either the 8000J Adult Flex Sensor or 8000AA Adult Finger Clip. The same oximeter cable can be used for either sensor. These accessories are available from ResMed.

SETTING UP THE RESLINK

See sections E and F on the illustration sheet.

Note: *Your clinician may have already set up the ResLink for you.*

INSERTING THE CARD

CAUTION

Avoid touching the gold contacts on the SmartMedia card.

1. Open the RESLINK cover.
2. Insert the SmartMedia card into the card slot on the RESLINK (E-1). Make sure that the card is aligned as shown in the diagram.
3. Close the cover after inserting the SmartMedia card.

ATTACHING THE RESLINK

Note*: The ResLink and S8 ResLink use different attachment mechanisms.*

WARNING

Before connecting the ResLink or S8 ResLink, make sure that the flow generator is powered off.

RESLINK

1. Ensure that the flow generator is powered off before attaching the RESLINK. Use the switch at the back of the flow generator to power off the device.
2. Slide the lever at the back of the RESLINK to the left (E-2).
3. Place the top catch of the RESLINK onto the notch at the back of the flow generator (E-3).
4. Push the bottom of the RESLINK onto the auxiliary port at the back of the flow generator (E-4).
5. Slide the lever at the back of the RESLINK to the right, to lock the RESLINK in place (E-5).

S8 ResLink

1. Ensure that the flow generator is powered off before attaching the S8 ResLink. You will need to turn the power off at the wall outlet.
2. Take off the module currently attached to the flow generator (F-1) and store it in the flow generator bag.
3. Push the S8 ResLink onto the flow generator (F-2), making sure that both the top and bottom latches engage firmly with the flow generator.

Note: *The S8 ResLink does not have a locking lever.*

4. When attached, the S8 ResLink should fit closely onto the back of the flow generator (F-3).

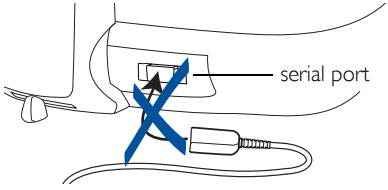
Connecting an Oximeter To the ResLink (optional)

Your clinician may have supplied an oximeter for use with the ResLink. Connecting an oximeter to the ResLink allows collection and storage of oximetry data (oxygen saturation and pulse rate).

1. Ensure that the sensor cable is properly connected to the Xpod connector (see illustration D).
2. Insert the oximeter plug into the ResLink oximeter port (E-6).

WARNING

- Only the NONIN Model 3012 Pulse Oximeter and Models 8000J or 8000AA Sensors are compatible with the ResLink. Connecting other oximeters may cause personal injury or damage to the flow generator or the ResLink.
- Check the oximeter cables and the oximeter sensor before use. If there is any sign of damage or wear contact your equipment supplier.
- There is a serial (9-pin) port at the back of some flow generators. Do not connect the NONIN Xpod connector into the serial port as it may damage the oximeter.



Attaching an Oximeter to your Finger

CAUTION

The oximeter sensor will not function properly if there is nail polish on your fingernails.

Note*: Do not attach the oximeter until you are ready to start therapy.*

Attaching the Nonin 8000J Adult Flex Sensor

See section G on the illustration sheet.

Your clinician will have attached the sensor to the adhesive side of the FlexiWrap.

1. Remove the adhesive backing from the FlexiWrap.
2. Carefully position any one of your fingers (not the thumb) on diode A on the FlexiWrap (G-1). Wrap the two small lower flaps onto the sides of your finger.
3. Carefully fold the FlexiWrap over the tip of your finger (G-2). Diode B must be positioned on your fingernail. Check that the two diodes are aligned, with B directly above A (G-3).
4. Wrap the long flap around your finger to secure the sensor (G-4). The FlexiWrap should feel firm, but not uncomfortably tight.
5. Secure the sensor wire to the base of the finger or wrist using medical tape (G-5).

ATTACHING THE NONIN 8000AA ADULT FINGER CLIP

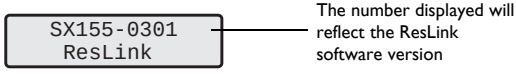
See section H on the illustration sheet.

1. Open the Finger Clip (H-1) and place your finger inside the device (H-2).
2. Close the Finger Clip (H-3).
3. Secure the sensor wire to the base of the finger or wrist using medical tape.

***Note**: For more details, please refer to the user guide supplied with the oximeter.*

USING THE RESLINK

1. Turn on the flow generator. A series of messages will be displayed on the flow generator LCD. When the following message is displayed, you know that the RESLINK is correctly connected.



2. If necessary, the software in your flow generator will be automatically upgraded. The upgrade ensures that your flow generator is compatible for use with the RESLINK.

WARNING

The flow generator will not deliver therapy during the upgrade. Do not put the mask on until the upgrade is completed.

During upgrade, the LCD backlight flashes and the following is displayed:

On some flow generators, this screen may be shown in multiple languages prior to upgrade.

The upgrade can take up to 20 minutes. Please wait for completion. When upgrade is successful the WELCOME screen will be displayed on the LCD.

***Note**: If the upgrade is interrupted for any reason, turn the flow generator off, ensure the ResLink is properly attached and the SmartMedia card is inserted, then turn the flow generator back on to restart the upgrade. Note that the LCD message may not be shown following an interruption; the screen may be blank for up to 20 minutes during the upgrade.*

STARTING TREATMENT

Start treatment as described in the flow generator User's Manual. The RESLINK will automatically collect and store treatment data.

STOPPING TREATMENT

Press the Front key on your flow generator to stop therapy at the end of the night. If attached, remove the oximeter sensor from your finger.

After stopping therapy on the last night that you use the RESLINK, wait for 15 minutes then turn off your flow generator at the power switch.

CAUTION

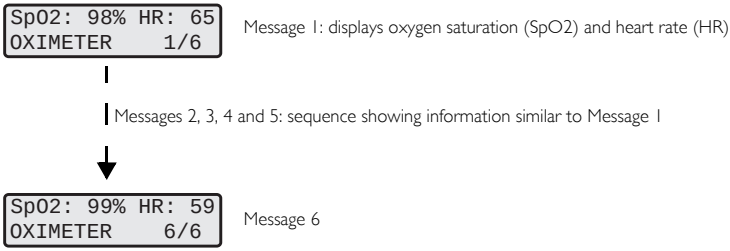
Do not power the flow generator on or off while the ResLink is being used, as this may stop the gathering of data. If there is any interruption to the flow generator's power supply, wait 15 minutes to commence therapy after powering the flow generator back on.

LCD MESSAGES

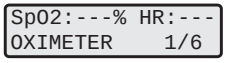
You may see the following RESLINK messages briefly displayed on the flow generator LCD to inform you about the operation of the RESLINK. These messages will be interspersed with other flow generator messages.

SX155-0301 ResLink	Successful ResLink connection (number displayed will be current ResLink software version)
FOUND CARD ResLink 1/4	SmartMedia Card has been detected
INSERT CARD! ResLink 1/4	SmartMedia Card has not been detected
FOUND OXIMETER ResLink 2/4	Oximeter is present
NO OXIMETER ResLink 2/4	Oximeter is not present
COPYING, WAIT... ResLink 3/4	Summary data is being copied to the SmartMedia Card
READY. ResLink 4/4	ResLink ready to record Detailed Data
NO CARD ResLink	SmartMedia Card has been removed
NO OXIMETER ResLink	Oximeter has been disconnected
UPGRADING, WAIT. ResLink	The flow generator is being upgraded by the ResLink

When an oximeter is attached, a set of six messages similar to those shown below is displayed in sequence. These messages indicate the current oxygen saturation (SpO_2) and heart rate being measured by the oximeter. They are intended to assist you in making sure that the oximeter is correctly attached. The sequence runs for approximately one minute.


SpO2: 98% HR: 65
OXIMETER 1/6
Message 1: displays oxygen saturation (SpO2) and heart rate (HR)
Messages 2, 3, 4 and 5: sequence showing information similar to Message 1
SpO2: 99% HR: 59
OXIMETER 6/6
Message 6

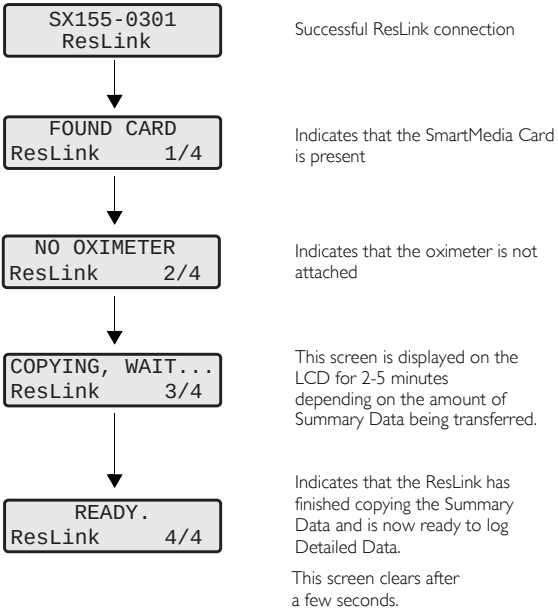
Note: *If you see a message similar to that shown below, with dashes instead of numeric values, check to make sure that the oximeter sensor is correctly attached to your finger.*



TYPICAL SCENARIOS

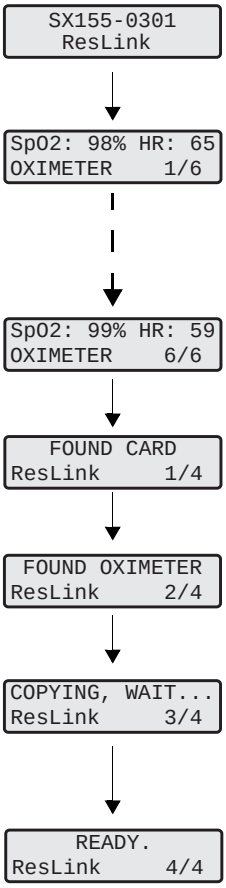
SCENARIO 1: NO OXIMETER ATTACHED

This scenario shows the typical sequence of messages displayed when the RESLINK has been correctly set up, the flow generator is powered on and no oximeter is attached. These messages will be interspersed with other flow generator messages.


SX155-0301
ResLink
Successful ResLink connection
FOUND CARD
ResLink 1/4
Indicates that the SmartMedia Card is present
NO OXIMETER
ResLink 2/4
Indicates that the oximeter is not attached
COPYING, WAIT...
ResLink 3/4
This screen is displayed on the LCD for 2-5 minutes depending on the amount of Summary Data being transferred.
READY.
ResLink 4/4
Indicates that the ResLink has finished copying the Summary Data and is now ready to log Detailed Data.
This screen clears after a few seconds.

Scenario 2: Oximeter Attached

This scenario shows the typical sequence of messages displayed when the ResLink has been correctly set up, the flow generator is powered on and an oximeter is attached. These messages will be interspersed with other flow generator messages.



Successful ResLink connection

First oximetry message.

There are 6 messages. Each message is shown for a 5 second interval and then removed for 5 seconds.

Last oximetry message.

Indicates that SmartMedia card is present.

Indicates that the oximeter is present.

This screen is displayed on the LCD for 2-5 minutes depending on the amount of Summary Data being transferred.

Indicates that the ResLink has finished copying the Summary Data and is now ready to log Detailed Data.

This screen clears after a few seconds.

DISCONNECTING THE RESLINK

See sections I and J on the illustration sheet.

WARNING

Before disconnecting the RESLINK, make sure that the flow generator is powered off.

If an oximeter is connected, pull the oximeter plug out of the RESLINK oximeter port (I-1).

RESLINK

1. Turn the flow generator power off using the power switch.
2. Slide the lever at the back of the RESLINK to the left (E-2). This unlocks the RESLINK from the flow generator.
3. Carefully pull the RESLINK away from the flow generator (I-2, I-3).
4. Store the RESLINK in its pouch.

S8 RESLINK

1. Turn the power off at the wall outlet.
2. To remove the S8 RESLINK from the flow generator, grip it from the top (J-1).
3. Pull the S8 RESLINK away from the flow generator (J-2).
4. Take the module that you took off the flow generator (F-1) and put it back on in its original place.
5. Store the S8 RESLINK in its pouch.

RETURNING THE RESLINK TO YOUR CLINICIAN

If you are returning the RESLINK to your clinician, leave the SmartMedia card in place. Put the RESLINK in its pouch and contact your clinician or equipment supplier for details regarding return.

RETURNING THE SMARTMEDIA CARD TO YOUR CLINICIAN

If you are returning only the SmartMedia card to your clinician:

1. Open the RESLINK cover and remove the SmartMedia card. Close the cover after removing the SmartMedia card.
2. Place the SmartMedia card in its plastic sleeve.
3. Place the SmartMedia card in the mailback card supplied with the RESLINK.

CAUTION

If returning the SmartMedia card through the postal service, always use a padded envelope.

Cleaning and Maintenance

CAUTION

Avoid exposing the ResLink to moisture and extreme temperatures.

Cleaning the ResLink

If necessary, wipe the outside of the ResLink with a clean cloth.

Cleaning the Oximeter

1. If necessary, wipe the surfaces with a soft cloth dampened with isopropyl alcohol or a mild detergent.
2. Dry with a soft cloth or allow to air dry.

Note: *The oximeter cable and Xpod connector can be wiped with a clean cloth.*

CAUTION

Do not autoclave or immerse this device in liquid or use caustic or abrasive cleaning agents or any cleaning products containing ammonium chloride.

Cleaning the Oximeter Sensor

For instructions on cleaning the oximeter sensor, please refer to the user guide supplied with this device.

WARNING

- Do not use liquids to clean any part of the ResLink.
- Do not attempt to dismantle the ResLink. Under no circumstances should you attempt to service or repair the device yourself. There are no user serviceable parts inside. Inspection and repair should only be performed by an authorized agent.

TROUBLESHOOTING

If there is a problem, try the following suggestions. If the problem cannot be solved, contact your equipment supplier. Do not attempt to open the RESLINK.

Problem	Possible Cause	Solution
Difficulty attaching the RESLINK to the flow generator.	Incompatible flow generator.	The RESLINK AND S8 RESLINK are compatible for use with certain ResMed flow generators only. See "Compatible flow generators" on page 18.
	The RESLINK may be attached incorrectly.	See "Attaching the ResLink" on page 5.
Flow generator and RESLINK not working (no display on LCD).	Power cord is not plugged into the flow generator or power outlet properly.	Check that the power cord is plugged firmly at the back of the flow generator and into a working power outlet.
	Flow generator not powered on.	Check that the flow generator is turned on.
	Faulty power outlet.	Try another power outlet.
Flow generator LCD continuously displays black boxes or blank screen on power up.	Previous failed software upgrade.	Power off the flow generator. Attach RESLINK with a SmartMedia card inserted. Power on the flow generator. Allow 20 minutes for the software upgrade. Note: During the upgrade the 'UPGRADING, WAIT' screen may not be displayed.

The following messages are displayed on the LCD of an AutoSet CS2 flow generator that has had a RESLINK connected:
`No signature and bad CRC`
`Waiting for File upload`
	Upgrade failed due to loss of power to the AutoSet CS2.	Power off the flow generator. Attach RESLINK with a SmartMedia card inserted. Power on the flow generator. Allow 20 minutes for the software upgrade. Note: During the upgrade the 'UPGRADING, WAIT' screen may not be displayed.

Problem	Possible Cause	Solution
The 'Successful ResLink connection' message (see page 8) is not displayed after power up.	The RESLINK is not securely attached to the flow generator.	Power the flow generator off. Ensure that the RESLINK is securely connected to the flow generator. Also ensure that the lever at the back of the RESLINK is in the lock position. Power the flow generator back on. For the S8 RESLINK make sure that the top and bottom latches are secured properly.
	Incompatible flow generator.	The RESLINK and S8 RESLINK are compatible for use with certain ResMed flow generators only. See "Compatible flow generators" on page 18.
	Faulty RESLINK.	Contact your equipment supplier.
Difficulty inserting the SmartMedia card into the RESLINK.	Incompatible memory card used.	Ensure that a SmartMedia card, obtained from ResMed only, is used.
	The SmartMedia card is inserted incorrectly.	See '"Inserting the Card" on page 5.

A SmartMedia card is inserted but
`UPGRADING, WAIT.`
`ResLink`
is not displayed.
	Software upgrade not required.	This is OK. Continue with setup.

The following is displayed on the LCD when a SmartMedia card is inserted and the flow generator is powered on:
`CARD ERROR!`
`ResLink 1/4`
	SmartMedia card cannot be accessed—it may be partially inserted. Alternatively, the gold contacts could be dirty.	Power the flow generator off. Remove and then re-insert the SmartMedia card.

	The SmartMedia Card may be damaged.	Contact your equipment supplier.
During software upgrade, a blank screen is displayed on the LCD.	Loss of power supply to the flow generator.	Power the flow generator off. Re-insert the SmartMedia card. Check the power supply to the flow generator. Power the flow generator back on. See "Using the ResLink" on page 7.

Problem	Possible Cause	Solution

A SmartMedia card containing upgrade software is inserted and the following is displayed on the LCD:
`UPGRADE FAILED`
`ResLink`
	Incompatible flow generator, or alternatively the flow generator cannot be upgraded.	Power the flow generator off. Remove the RESLINK with SmartMedia card inserted. Contact your equipment supplier.

	Flow generator was delivering therapy.	Stop therapy. Power the flow generator off. Check the power supply to the flow generator. Power the flow generator back on. See "Using the ResLink" on page 7.
Difficulty inserting the oximeter into the RESLINK.	Incompatible oximeter used.	Ensure that a NONIN (Model 3012) Pulse Oximeter is used. See "Connecting an Oximeter To the ResLink (optional)" on page 6.
	Oximeter plug not oriented correctly.	See "Connecting an Oximeter To the ResLink (optional)" on page 6.

The following message is displayed on the LCD:
`OXIMETER FAULT`
`ResLink`
	Incompatible oximeter.	Ensure that a NONIN (Model 3012) Pulse Oximeter is used.

	The oximeter sensor cable and Xpod connector are not properly connected.	Ensure that the oximeter sensor cable and Xpod connector are properly connected.
	Faulty oximeter.	Contact your equipment supplier.

The following message is displayed on the LCD:
`INSERT CARD!`
`ResLink 1/4`
	The SmartMedia card has not been inserted or correctly positioned in the RESLINK.	Power off the flow generator, re-insert the SmartMedia card and power the flow generator back on.

The following message is displayed on the LCD for more than 20 minutes and never leaves this state.
`UPGRADING, WAIT.`
`ResLink`
	Software upgrade not yet completed.	Wait another 10 minutes.

	The SmartMedia card has been removed during software upgrade.	Power the flow generator off. Re-insert the SmartMedia card. Power the flow generator back on. See "Using the ResLink" on page 7
	Faulty SmartMedia card.	Power the flow generator off. Contact your equipment supplier.
	Damaged flow generator.	Power the flow generator off. Contact your equipment supplier.

Problem	Possible Cause	Solution
The message on the LCD alternates between the RESLINK connected message, SX155-0301 ResLink and the message to indicate that RESLINK has been removed. ResLink Removed	SmartMedia card may be damaged.	If the message does not clear, disconnect the RESLINK and contact your equipment supplier to get a new SmartMedia Card.
	RESLINK may be faulty.	Contact your equipment supplier.
The following message is displayed on the LCD: NO OXIMETER ResLink 2/4	Oximeter is not present during the copying of Summary Data to the SmartMedia Card.	If you are not intending to use an oximeter, this message is OK. If you are intending to use an oximeter, make sure that the oximeter is plugged in correctly.
The following message is displayed on the LCD: CARD FULL ResLink	The SmartMedia Card is full and cannot store any more data.	Contact your equipment supplier to get a new SmartMedia Card.
The following message is displayed on the LCD: READ-ONLY CARD! ResLink 1/4	SmartMedia Card is write protected.	Contact your equipment supplier to get a new SmartMedia Card.
The following message is displayed on the LCD: >>>>>>>>>>>>>> ResLink	The software on the RESLINK itself is being upgraded, using data on the SmartMedia Card.	This is OK. Wait for approximately three minutes. RESLINK should then start normal operation.
The following message is displayed on the LCD: ResLink Removed	The RESLINK has been removed from the flow generator or not attached correctly.	Attach the RESLINK or S8 RESLINK to the flow generator. Make sure that it is properly attached.
Difficulty disconnecting the RESLINK from the flow generator.	The RESLINK is locked in place.	Unlock the RESLINK. See "Disconnecting the ResLink" on page 11.
Difficulty disconnecting the S8 RESLINK from the flow generator.	There is no locking device on the S8 RESLINK.	See "S8 ResLink" on page 11.

Note: *If you see a message not shown here, contact your equipment supplier.*

TECHNICAL SPECIFICATIONS

RESLINK

Dimensions (H x W X D):
5" x 2.6" x 2.4" (126 mm x 65 mm x 60 mm)

Weight: 0.24 lb (110 g)

Power Supply:
Maximum power consumption derived from the flow generator: 200mA at 24-30V

S8 RESLINK

Dimensions (H x W X D):
4.7" x 2.6" x 2.6" (120 mm x 65 mm x 65 mm)

Weight: 0.25 lb (114 g)

Power Supply:
Maximum power consumption derived from the flow generator: 400mA at 12V

RESLINK AND S8 RESLINK

Housing Construction:
Flame retardant engineering thermoplastic.

IEC 60601-1 Classification: Class II (double insulation), Type CF

Electromagnetic Compatibility
Product complies with all applicable electromagnetic compatibility requirements (EMC) according to IEC60601-1-2, for residential, commercial and light industry environments.

Environmental Conditions
Operating Temperature: 41°F to 104°F (5°C to 40°C)
Operating Humidity: 10% to 95% non-condensing.
Storage and Transport Temperature: -4°F to 140°F (-20°C to 60°C)
Storage and Transport Humidity: 10% to 95% non-condensing.

NONIN MODEL 3012 PULSE OXIMETER, 8000J ADULT FLEX SENSOR AND 8000AA ADULT FINGER CLIP

SpO_2
70–100% ± 3 digits

Pulse rate
18 to 300 pulses per minute ± 3% ± 1 digit

Environmental Conditions
Operating Temperature: 32°F to 122°F (0°C to 50°C)
Operating Humidity: 10%–90% non-condensing.
Storage and Transport Temperature: -4°F to 122°F (-20°C to 50°C)
Storage and Transport Humidity: 10%–95% non-condensing.

COMPATIBLE FLOW GENERATORS[1]

Compatible with ResLink	Compatible with S8 ResLink
AutoSet Spirit™	S8 AutoSet Spirit™
VPAP™ III series	S8 Elite™
S7™ Elite	S8 AutoScore™
AutoSet CS™2	S8 AutoSet Vantage™
VPAP™ Adapt SV	S8 AutoSet Spirit™ II
VPAP™ Malibu	S8 Elite™ II
	S8 AutoScore™ II
	VPAP™ Auto
	S8 AutoSet™ II

GLOSSARY OF SYMBOLS

Attention, consult accompanying documents

Type CF applied part

Class II equipment

Drip proof

1 Not all flow generators are available in all regions